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6923-084

APPLICATION NO.

09/735,296

APPLICANT

Chen et al.

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U.S. PATENT DOCUMENTS

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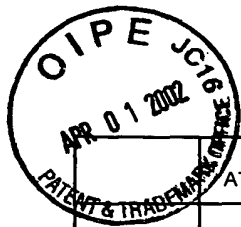
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

L-C	AA	Addison et al., 1995, "Intratumoral injection of an adenovirus expressing interleukin 2 induces regression and immunity in a murine breast cancer model", Proc Natl Acad Sci U S A. 92(18):8522-6.
	AB	Akiba et al., 1999, "CD28-independent costimulation of T cells by OX40 ligand and CD70 of activated B cells", J. Immunol. 162:7058-66.
	AC	Al-Shamkhani et al., 1996, "OX40 is differentially expressed on activated rat and mouse T cells and is the sole receptor for the OX40 ligand", Eur. J. Immunol. 26:1695-9.
	AD	Aversa et al., 1997, "Engagement of the signaling lymphocytic activation molecule (SLAM) on activated T cells results in IL-2-independent, cyclosporin A-sensitive T cell proliferation and IFN-gamma production", J Immunol. 158(9):4036-44.
	AE	Banks RE, Patel PM, Selby PJ, "Interleukin 12: a new clinical player in cytokine therapy", Br J Cancer. 1995 Apr;71(4):655-9.
	AF	Biron et al., 1995, "Effects of IL-12 on immune responses to microbial infections: a key mediator in regulating disease outcome", Curr Opin Immunol. 7(4):485-96.
	AG	Brunda et al., 1993, "Antitumor and antimetastatic activity of interleukin 12 against murine tumors", J Exp Med. 178(4):1223-30.
	AH	Brunda et al., 1994, "Interleukin-12", J Leukoc Biol. 55(2):280-8.
	AI	Carroll et al., 1998, "Construction and characterization of a triple-recombinant vaccinia virus encoding B7-1, interleukin 12, and a model tumor antigen", J Natl Cancer Inst. 90(24):1881-7.
	AJ	Carson and Caligiuri, 1998, "Interleukin-15 as a potential regulator of the innate immune response", Braz J Med Biol Res. Jan;31(1):1-9.
	AK	Caruso M, Pham-Nguyen K, Kwong YL, Xu B, Kosai KI, Finegold M, Woo SL, Chen SH, "Adenovirus-mediated interleukin-12 gene therapy for metastatic colon carcinoma", Proc Natl Acad Sci U S A. 1996 Oct 15;93(21):11302-6.
	AL	Cesano et al., 1993, "Cellular and molecular mechanisms of activation of MHC nonrestricted cytotoxic cells by IL-12", J Immunol. 151(6):2943-57.
	AM	Chen et al., 2000, "Rejection of disseminated metastases of colon carcinoma by synergism of IL-12 gene therapy and 4-1BB costimulation", Mol. Ther. 2:39-46.
	AN	Chen et al., 1997, "Eradication of murine bladder carcinoma by intratumor injection of a bicistronic adenoviral vector carrying cDNAs for the IL-12 heterodimer and its inhibition by the IL-12 p40 subunit homodimer", J Immunol. 159(1):351-9.
	AO	Chen et al. 1994, "Tumor immunogenicity determines the effect of B7 costimulation on T cell-mediated tumor immunity", J Exp Med. 179(2):523-32.
	AP	Chong et al., 1998, "Tumour cell expression of B7 costimulatory molecules and interleukin-12 or granulocyte-macrophage colony-stimulating factor induces a local antitumour response and may generate systemic protective immunity", Gene Ther. 5(2):223-32.
	AQ	Chu et al., 1997, "Role of IL-12 and 4-1BB ligand in cytokine production by CD28+ and CD28- T cells", J Immunol. 158(7):3081-9.
	AR	Colombo et al., 1996, "Amount of interleukin 12 available at the tumor site is critical for tumor regression", Cancer Res. 56(11):2531-4.
✓	AS	Couderc et al., 1998, "Enhancement of antitumor immunity by expression of CD70 (CD27 ligand) or CD154 (CD40 ligand) costimulatory molecules in tumor cells.", Cancer Gene Ther. 1998 May-Jun;5(3):163-75.

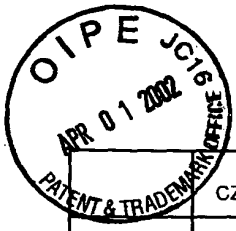


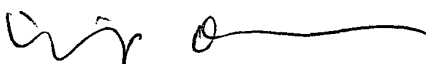
AT	Csoka et al., 1996, "Activation of T cell cytotoxicity against autologous common acute lymphoblastic leukemia (cALL) blasts by CD3xCD19 bispecific antibody", <i>Leukemia</i> . 10(11):1765-72.
L.C. AU	Daniel et al., 1997, "Costimulatory signals through B7.1/CD28 prevent T cell apoptosis during target cell lysis", <i>J Immunol</i> . 159(8):3808-15.
AV	DeBenedette et al., 1995, "Role of 4-1BB ligand in costimulation of T lymphocyte growth and its upregulation on M12 B lymphomas by cAMP.", <i>J Exp Med</i> . 181(3):985-92.
AW	DeBenedette et al., 1997, "Costimulation of CD28- T lymphocytes by 4-1BB ligand", <i>J Immunol</i> . 158(2):551-9.
AX	Desai et al., 1992, "IL-12 receptor. II. Distribution and regulation of receptor expression", <i>J Immunol</i> . 148(10):3125-32.
AY	Dubey et al., 1995, "Costimulatory requirements of naive CD4+ T cells. ICAM-1 or B7-1 can costimulate naive CD4 T cell activation but both are required for optimum response", <i>J Immunol</i> . 155(1):45-57.
AZ	Elloso et al., 1999, "Expression and contribution of B7-1 (CD80) and B7-2 (CD86) in the early immune response to <i>Leishmania major</i> infection", <i>J Immunol</i> . 162(11):6708-15.
BA	Exley et al., 1998, "CD161 (NKR-P1A) costimulation of CD1d-dependent activation of human T cells expressing invariant alpha 24 J alpha Q T cell receptor alpha chains", <i>J Exp Med</i> . 188(5):867-76.
BB	Fehniger et al., 1999, "Differential cytokine and chemokine gene expression by human NK cells following activation with IL-18 or IL-15 in combination with IL-12: implications for the innate immune response", <i>J Immunol</i> . 162(8):511-20.
BC	Flynn et al., 1998, "CD4 T cell cytokine differentiation: the B cell activation molecule, OX40 ligand, instructs CD4 T cells to express interleukin 4 and upregulates expression of the chemokine receptor", <i>Bir-1 J Exp Med</i> . 188(2):297-304.
BD	Forster et al., 1999, "Contribution of CD40-CD154-mediated costimulation to an alloresponse in vivo", <i>Transplantation</i> . 67(9):1284-7.
BE	Goodwin et al., 1993, "Protein, Nucleotide Molecular cloning of a ligand for the inducible T cell gene 4-1BB: a member of an emerging family of cytokines with homology to tumor necrosis factor", <i>Eur J Immunol</i> . 23(10):2631-41.
BF	Gramaglia et al., 2000, "The OX40 costimulatory receptor determines the development of CD4 memory by regulating primary clonal expansion", <i>J. Immunol</i> . 165:3043-50.
BG	Greenfield et al., 1998, "CD28/B7 costimulation: a review", <i>Crit Rev Immunol</i> . 18(5):389-418.
BH	Guo et al., 1999, "Interleukin 12 and B7.1 costimulatory molecules coexpressed from an adenoviral vector act synergistically to induce antitumor response and suppress tumor formation in Lewis lung carcinoma model", <i>Proc. Of the American Assoc. for Canc. Res. Annual Meeting</i> , 1999, vol. 40, p. 255, Abstract 1692.
BI	Harris et al., 1999, "The role of B7 costimulation in T-cell immunity", <i>Immunol Cell Biol</i> . 77(4):304-11.
BJ	Hartwig et al., 1997, "CD40 and IL-4 regulate murine CD27L expression", <i>J Immunol</i> . 159(12):6000-8.
BK	Horisberger et al., 1995, "Interferons, Mx genes, and resistance to influenza virus", <i>Am J Respir Crit Care Med</i> . 152 (4 Pt 2):S67-71.
BL	Hoshino et al., 1999, "IL-13 production by NK cells: IL-13-producing NK and T cells are present in vivo in the absence of IFN-gamma", <i>J Immunol</i> . 162(1):51-9.
BM	Hurtado et al., 1997, "Signals through 4-1BB are costimulatory to previously activated splenic T cells and inhibit activation-induced cell death", <i>J Immunol</i> . 158(6):2600-9.
BN	Hurtado et al., 1995, "Potential role of 4-1BB in T cell activation. Comparison with the costimulatory molecule CD28", <i>J Immunol</i> . 155(7):3360-7.
BO	Karandikar et al., 1998, "Targeting the B7/CD28:CTLA-4 costimulatory system in CNS autoimmune disease", <i>J Neuroimmunol</i> . 89(1-2):10-8.
BP	Kim et al., 1999, "Intracellular adhesion molecule-1 modulates beta-chemokines and directly costimulates T cells in vivo", <i>J Clin Invest</i> . 103(6):869-77.
BQ	Kjaergaard et al., 2000, "Therapeutic efficacy of OX-40 receptor antibody depends on tumor immunogenicity and anatomic site of tumor growth", <i>Cancer Res</i> . 60:5514-21.
BR	Kobata et al., 1994, "CD27 is a signal-transducing molecule involved in CD45RA+ naive T cell costimulation", <i>J Immunol</i> . 153(12):5422-32.
BS	Korpelainen et al. 1996, "IL-3 receptor expression, regulation and function in cells of the vasculature", <i>Immunol Cell Biol</i> . 74(1):1-7.
BT	Lamphear et al., 1998, "Intercellular adhesion molecule-1 and leukocyte function-associated antigen-3 provide costimulation for superantigen-induced T lymphocyte proliferation in the absence of a specific presenting molecule", <i>J Immunol</i> . 160(2):615-23.
BU	Leitende Moraes et al., 1999, "A Distinct IL-18-Induced Pathway to Fully Activate NK T Lymphocytes Independently from TCR Engagement", <i>J. Immunol</i> 163(11):5871-5876.

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LC BW	Mallett et al., 1990, "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytes- a molecule related to nerve growth factor receptor", EMBO J. 9:1063-8
BX	Mantovani et al., 1999, "The chemokine system: redundancy for robust outputs", Immunol Today. 20(6):254-7.
BY	Martinet et al., 2000, Immunomodulatory gene therapy with interleukin 12 and 4-1BB ligand: long term remission of liver metastases in a mouse model", J. Natl. Cancer Inst. 92:931-6
BZ	Maxwell et al., 2000, "Danger and OX40 receptor signaling synergize to enhance memory T cell survival by inhibiting peripheral deletion", J. Immunol. 164:107-12
CA	Melero et al., 1997, "Monoclonal antibodies against the 4-1BB T-cell activation molecule eradicate established tumors", Nat Med. 3(6):682-5.
CB	Melero et al., 1998, "Amplification of tumor immunity by gene transfer of the co-stimulatory 4-1BB ligand synergizes with the CD28 co-stimulatory pathway", Eur J Immunol. 28(3):1116-21.
CC	Meroni et al., 1999, "Altered signaling lymphocytic activation molecule (SLAM) expression in HIV infection and redirection of HIV-specific responses via SLAM triggering", Clin Immunol. 92(3):276-84.
CD	Mocci et al., 1997, "The cytokine stew and innate resistance to L. monocytogenes", Immunol Rev. 158:107-14.
CE	Modiano et al., 1999, "Quantitative and qualitative signals determine T-cell cycle entry and progression", Cell Immunol. 197(1):19-29.
CF	Nakajima et al., 1997, "Costimulatory molecules in autoimmunity: role of CD28/CTLA4-CD80/CD86", Nippon Rinsho. 55(6):1419-24. Japanese.
CG	Ni et al., 1999, "Signaling pathways activated by leukocyte function-associated Ag-1-dependent costimulation", J Immunol. 162(9):5183-9.
CH	Nishimura et al., 1995, "Phenotypic and functional characteristics of in vivo-induced interleukin-12-activated killer cells", Immunol Lett. 48(3):167-74.
CI	Petrofsky and Bermudes, 1999, "Neutrophils from Mycobacterium avium-infected mice produce TNF-alpha, IL-12, and IL-1 beta and have a putative role in early host response", Clin Immun. 91(3): 354-358
CJ	Pihlgren et al., 1996, "Resting memory CD8+ T cells are hyperreactive to antigenic challenge in vitro", J Exp Med. 184(6): 2141-51.
CK	Pitrak et al., 1997, "Effects of granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor on the bactericidal functions of neutrophils", Curr Opin Hematol. 4(3):183-90.
CL	Pollok et al., 1993, "Protein Inducible T cell antigen 4-1BB. Analysis of expression and function", J Immunol. 150(3):771-81.
CM	Putzer et al., 1997, "Interleukin 12 and B7-1 costimulatory molecule expressed by an adenovirus vector act synergistically to facilitate tumor regression", Proc Natl Acad Sci U S A. 94(20):10889-94.
CN	Ramstad et al., 2000, "Immunohistochemical analysis of primary breast tumors and tumor-draining lymph nodes by means of the T- cell costimulatory molecule OX-40", Am J. Surg 179:400-6
CO	Resta et al., 1997, "T cell signalling through CD73", Cell Signal. 9(2):131-9.
CP	Saoulli et al., 1998, "CD28-independent, TRAF2-dependent costimulation of resting T cells by 4-1BB ligand", J Exp Med. 187(11):1849-62.
CQ	Scheipers et al., 1998, "Role of the CTLA-4 receptor in T cell activation and immunity. Physiologic function of the CTLA-4 receptor", Immunol Res. 8(2):103-15.
CR	Scott et al., 1993, "IL-12: initiation cytokine for cell-mediated immunity", Science. 260(5107): 496-7.
CS	Shinde et al., 1996, "CD40L is important for induction of, but not response to, costimulatory activity. ICAM-1 as the second costimulatory molecule rapidly up-regulated by CD40L", J Immunol. 157(7):2764-8.
CT	Shuford et al., 1997, "4-1BB costimulatory signals preferentially induce CD8+ T cell proliferation and lead to the amplification in vivo of cytotoxic T cell responses", J Exp Med. 186(1):47-55.
CU	Spiekermann et al., 1997, "Functional features of neutrophils induced by G-CSF and GM-CSF treatment: differential effects and clinical implications", Leukemia. 11(4):466-78.
CV	Stuber et al., 1995, "Cross linking of OX40 ligand, a member of the TNF/NGF cytokine family, induces proliferation and differentiation in murine splenic B cells", Immunity 2:507-21
CW	Tahara et al., 1995, "Effective eradication of established murine tumors with IL-12 gene therapy using a polycistronic retroviral vector", J Immunol. 154(12):6466-74.
CX	Tai et al., 1996, "A role for CD9 molecules in T cell activation", J Exp Med. 184(2):753-8.
CY	Takeda et al., 1996, "Liver NK1.1+ CD4+ alpha beta T cells activated by IL-12 as a major effector in inhibition of experimental tumor metastasis", J Immunol. 156(9):3366-73.



	CZ	Toes et al., 1998, "CD40-CD40Ligand interactions and their role in cytotoxic T lymphocyte priming and anti-tumor immunity", Semin Immunol. 10(6):443-8.
LC	DA	Tripp et al., 1995, "Macrophage production of IL12 is a critical link between the innate and specific immune responses to Listeria", Res Immunol. 146(7-8):515-20.
	DB	Tsung et al, 1997, "IL-12 induces T helper 1-directed antitumor response", J Immunol. 158(7):3359-65.
	DC	Vetto et al., 1997, "Presence of the T-cell activation marker OX-40 on tumor infiltrating lymphocytes and draining lymph node cells from patients with melanoma and head and neck cancers", Am. J. Surg. 174:258-65
	DD	Vinay et al., 1998, "Role of 4-1BB in immune responses", Semin Immunol. 0(6):481-9.
	DE	Ward et al., 1999, "The complexities of CD28 and CTLA-4 signalling: PI3K and beyond. Arch Immunol Ther Exp (Warsz). 47(2):69-75.
	DF	Weinberg AD, Vella AT, Croft M, "OX-40: life beyond the effector T cell stage", Semin Immunol. 1998 Dec;10(6):771-80.
	DG	Weinberg et al., 2000, "Engagement of the OX-40 receptor in vivo enhances antitumor immunity", J. Immunol. 164(12):6160-9
	DH	Wingett et al., 1999, "A role for CD99 in T cell activation", Cell Immunol. 93(1):17-23.
	DI	Wingren et al., 1995, "T cell activation pathways: B7, LFA-3, and ICAM-1 shape unique T cell profiles", Crit Rev Immunol. 15(3-4):235-53.
	DJ	Wu et al., 1995, "A reassessment of the role of B7-1 expression in tumor rejection", J Exp Med. 182(5):1415-21
↓	DK	Zuckerman et al., 1998, "Functional consequences of costimulation by ICAM-1 on IL-2 gene expression and T cell activation", J Immunol. 160(7):3259-68.
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L-C	DL	WO 00/41508	7/20/00	PCT				
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L-C	DM	Kim et al., 1998. "Human 4-1BB regulates CD28 co-stimulation to promote Th1 cell responses", Eur. J. Immunol. 28:881-890.						
L-C	DN	Martinet et al., 1999, "Long-term remission of preestablished hepatic metastases from colorectal cancer by in vivo adenoviral-mediated transfer of interleukin-12 and 4-1BB ligand genes", Chem Abstr. 132:288382 and Surg. Forum 50:297-299						
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